



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX EPS 18.0064U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2018-08-03

Applicant: **eltherm production GmbH**  
Ernst-Heinkel-Str. 6-10  
57299 Burbach  
Germany

Ex Component: Heating cables type ELSR-N-...

*This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).*

Type of Protection: **Electrical Resistance Trace Heating "60079-30-1"**

Marking: Ex 60079-30-1 IIC Gb  
Ex 60079-30-1 IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Holger Schaffer**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **eltherm production GmbH**  
Ernst-Heinkel-Str. 6-10  
57299 Burbach  
**Germany**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC/IEEE 60079-30-1:2015** Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements  
Edition:1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR18.0069/00](#)

Quality Assessment Report:

[FR/INE/QAR12.0007/04](#)



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## Ex Component(s) covered by this certificate is described below:

Self regulating heating cable of various rating classes as component for the production of trace heating systems

Rated voltage: 230 /277 V

Min. bending radius: 25 mm

Type Power (W/m at 10°C)

ELSR-N...-2... 10/20/30/40

Max service temperature: -60°C to +65°C (operated)

-60°C to +80°C (not-operated)

Max surface temperature: 80°C (T6)

## SCHEDULE OF LIMITATIONS:

The connection method, the temperature class, and the requirements made on the qualification of the staff putting the regulations into practice, have to be defined in the certification of final installation system.

The manufacturer's instructions must be followed.